



OIL FIELD CHEMICALS

INTRODUCTION



Elevate Your Oilfield Operations with Cutting-Edge Chemical Solutions

For years, we have been a prominent and trusted player in the chemical industry, renowned for our pioneering work in manufacturing specialty chemicals in India. Leveraging our vast expertise and dedication to excellence, we are proud to introduce our latest breakthrough – Oilfield Chemicals.

With a deep understanding of the complexities and challenges faced in the oil and gas sector, our Oilfield Chemicals are meticulously crafted to enhance every stage of your operations. From drilling and production to stimulation and maintenance, our solutions are tailored to meet the specific demands of modern oilfields. Sustainability and performance lie at the heart of our offerings, ensuring efficient and environmentally responsible practices.

Unleash the true potential of your oilfield with our state-of-the-art Oilfield Chemicals, backed by decades of expertise and a commitment to innovation. Embrace a future of enhanced productivity and reliability as you step into the realm of limitless possibilities with our trusted solutions. Welcome to a new era of oilfield excellence – welcome to our Oilfield Chemicals.

PRODUCTION CHEMICALS RANGE



Function	Product	Description
POUR POINT DEPRESSANT	Stalwol PPD	These additives are polymers designed to interfere in the wax crystallization process, thus modifying the crystal structure of the paraffin present in the crude oil. The change in the crystal shape diminishes the ability of waxy aggregates to inter grow and inter lock, resulting in lowering the pour point of the crude.
PARAFFIN WAX DISPERSANT	Stalwol PWD	These additives are liquid, organic surface active chemical for use in crude oil to control the deposition of paraffin. The oil soluble and water dispersible formulation is effective in removing and preventing paraffin build up in production equipment.
ASPHALTENE DERIVATIVES	Stalwol AD	The asphaltenes in nature are stabilized by resins and maintained in the oil due to this stabilization. Asphaltene dispersants substitutes the natural resins do not allow the asphaltene articles to form bigger size molecules and deposit. It is based on polymeric technology with multiple anchoring groups and has chains that are compatible with the crude oils.
DEMULSIFIER CONCENTRATES	Stalwol DC	Demulsification of water from water in oil emulsions and removal of the water economically meeting the technical requirements of the oil for further processing is a critical operation. Demulsifiers tend to act on the emulsion by: <ul style="list-style-type: none">- Coalescence of the water droplets- Dropping of the water

PRODUCTION CHEMICALS RANGE



Function	Product	Description
DEOILER/REVERSE EMULSIFIER	Stalwol RE	These additives remove free/ emulsified oil from separated water in oilfields.
CORROSION INHIBITORS	Stalwol CI	These additives get adsorbed on the metallic surface, protecting the metal surface by forming a film, giving the surface a certain level of protection.
H2S SCAVENGERS	Stalwol HS	These tie up with the H2S in an irreversible reaction preventing the release and thus reduces corrosion leading to improved safety. These products are designed to control H2S with bubble tower applications and/or continuous injections into the wellhead, infield or other transmission lines.
H2S SCAVENGERS WITH SCALE INHIBITOR	Stalwol SI	This product is formulated to give excellent H2S Scavenging characteristics with scale inhibition. It features an instantaneous reaction with hydrogen sulfide and is very effective even at low dosage rates. It effectively controls the scaling problem without any negative impact on downstream operations.
BIOCIDE	Stalwol BAC	This is a Benzalkonium Chloride based Microbiocide and is used for effective control of aerobic and anaerobic bacteria in the oilfields as well as in various other applications. It prevents formation of sulphurous gases and inhibits corrosion and biofouling in pipelines.

PRODUCTION CHEMICALS RANGE



Function	Product	Description
DEFOAMERS/ ANTIFOAM	Stalwol AF	An effective way to disrupt foam formation is to introduce a foam control surfactant into the system. A defoamer or antifoamer functions by spreading over the gas/liquid interfaces, thereby preventing foam forming materials from coming to the surface and providing a surface layer which will not sustain foam.
SLUDGE BREAKERS	Stalwol SB	These additives rapidly dissolves and fluidizes sludge, wax, gum and tar formations while effectively separating water from oil/water emulsions.
MUTUAL SOLVENTS	Stalwol MS	These additives prevents/ break emulsion block formation in the invasion zone in an oilwell. It intern increases crude flow from the formation.

DRILLING CHEMICALS RANGE



Function	Product	Description
CLOUD POINT GLYCOLS	Stalwol CPG	These additives are low toxic, versatile cloud point glycols for shale control designed for low to high salinity water level system and can be used in well with low, moderate and high formation temperature in isolation or in combination with salts and polyamines.
SHALE STABILIZERS	Stalwol SS	These additives are amine based shale inhibitor which are formulated to stabilize reactive shales & clays while drilling with water based drilling fluids. These products are highly effective in inhibiting clay swelling and hydration of cuttings preventing bit balling and reducing torque and drag.
ROP ENHANCERS	Stalwol ROP-E	This additive is a low toxic, versatile, ROP Enhancer designed for medium-to-high salinity water level system and can be used in wells with moderate formation temperature. It can provide improved well bore stability, lubricity, high temperature filtration control, plus reduced dilution rates and bit balling. In a non-dispersed polymer system, it is most effective when used in conjunction with inhibitive salts like KCl.
EXTREME PRESSURE LUBRICANTS	Stalwol EPL	These additives are general and special purpose extreme pressure lubricants which are used to reduce the torque, drag & possibility of wall sticking. These lubricants finds their application in highly deviated well bores,where a tough lubricating film is needed between the wall cake and drill string.

DRILLING CHEMICALS RANGE



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DEFOAMERS/ ANTIFOAM	Stalwol AF	An effective way to disrupt foam formation is to introduce a foam control surfactant into the system. A defoamer or antifoamer functions by spreading over the gas/liquid interfaces, thereby preventing foam forming materials from coming to the surface and providing a surface layer which will not sustain foam.
DRILLING DETERGENTS	Stalwol DD	These additives are used to reduce the surface tension of water based mud systems and the sticking tendency of water sensitive formulations.
H ₂ S SCAVENGERS	Stalwol HS	These tie up with the H ₂ S in an irreversible reaction preventing the release and thus reduces corrosion leading to improved safety. These products are designed to control H ₂ S with bubble tower applications and/or continuous injections into the wellhead, infield or other transmission lines.
H ₂ S SCAVENGERS WITH SCALE INHIBITOR	Stalwol SI	This product is formulated to give excellent H ₂ S Scavenging characteristics with scale inhibition. It features an instantaneous reaction with hydrogen sulfide and is very effective even at low dosage rates. It effectively controls the scaling problem without any negative impact on downstream operations.

DRILLING CHEMICALS RANGE



Function	Product	Description
EMULSIFIERS FOR OIL BASED MUD	Stalwol PE	PRIMARY EMULSIFIER These additives are used to produce a highly stable invert emulsion fluid with excellent emulsion stability, filtration control and temperature stability.
	Stalwol SE	SECONDARY EMULSIFIERS These additives are multi functional which provide higher stability to primary emulsifier & imparts preferential wetting of solids by the continuous oil phase.
	Stalwol EU	EMULSIFIER ULTRA It provides good and stable emulsification imparts sufficient oil wetting characteristics of solids and high tolerance for contaminants. The product also works well with all of the commonly used internal phase salt solutions.
WETTING AGENTS	Stalwol WA	These additives can quickly change the natural water-wetting characteristics of drilled solids and weighting agents in oil muds, making them preferentially oil-wetting. They are used as supplementary oilmud additive for improving fluid loss properties and emulsion stability.

DRILLING CHEMICALS RANGE




Function	Product	Description
PIPE FREEING AGENTS	Stalwol PFA	These additives are specifically designed to assist in freeing stuck pipes. It lubricates and dehydrates filter cake from water-based fluids to aid in creating cracks in the mud cake to help alleviate differentially stuck drill pipes.
DEFLOCCULANTS	Stalwol DF	These additives are anionic acrylic co-polymers used in water-based mud systems to control rheological properties and to impart high temperature stability.
EMULSIFIER FOR INVERT EMULSIONS	Stalwol EIE	These additives provide excellent water-in-oil emulsion especially with high water percentage and high electrolyte concentration. These can be used along with primary and secondary emulsifiers.
SURFACTANT FOR SPACER FLUIDS	Stalwol SSF	These additives are specially surfactants used in formulation of spacers used before cementing of oil wells drilled with oil based muds. It is designed to clean up and displace oil and synthetic based muds and solids for better cementation.
STABLE FOAMING AGENTS	Stalwol SFA	These additives are surface active products and generates stable micro bubbles in presence of air to develop specific gravity as low as below 0.8. It is a water based drilling fluid.

DRILLING CHEMICALS RANGE



Function	Product	Description
LOSS REDUCING AGENTS	Stalwol LRA	This is an advanced polymer based HTHP fluid loss reducing agent/ additive , meant for high performance water based drilling fluid systems. It is available in solid as well as in liquid forms. It is designed to be stable upto 225°C.
BIOCIDE	Stalwol BAC	This is a Benzalkonium Chloride based Microbiocide and is used for effective control of aerobic and anaerobic bacteria in the oilfields as well as in various other applications. It prevents formation of sulphurous gases and inhibits corrosion and biofouling in pipelines.



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